

Surveillance Snapshot

Montana Communicable Disease Epidemiology Program

December, 2009



Reported H1N1 Influenza Hospitalizations

Figure 1. Total Number of Reported H1N1 Influenza Hospitalizations, by End of Week Date, Sept-Nov, 2009, Montana

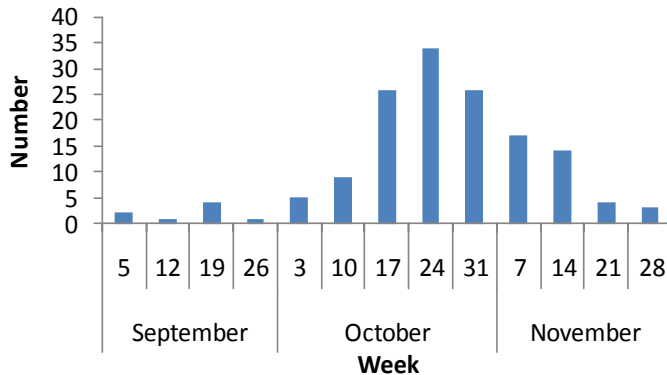
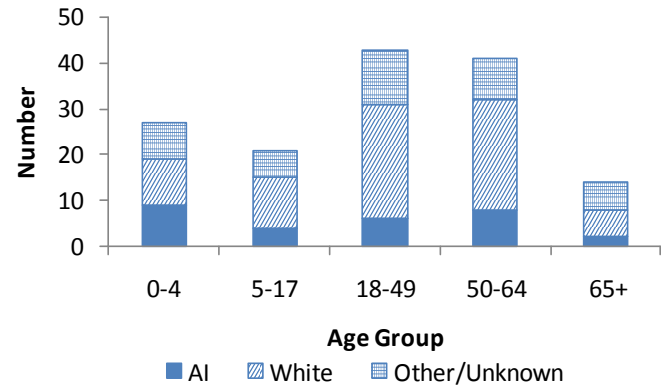


Figure 2. Total Number of Reported H1N1 Influenza Hospitalizations, by Race and Age group, Sept-Nov, 2009, Montana



- Data were collected through passive surveillance with hospitalization dates between September 1 and November 30, 2009. Not all cases were laboratory confirmed. 146 hospitalizations were reported.
- The number of hospitalizations peaked during the week ending on Oct 24, 2009 (Figure 1).
- American Indians accounted for 33% of the 27 hospitalizations in children less than 5 years old (Figure 2). Race was not reported for 26% of cases.
- The highest hospitalization rate was reported among children less than 5 years old; the highest rate among adults was in the 50-64 age group (Table 1).
- More than half of the hospitalized persons 18 years old and older had a pre-existing health condition (Table 1). The most frequently reported pre-existing conditions were obesity (19%), COPD (18%), asthma (15%), and immunosuppression (9%). One in five (20%) hospitalizations listed a complication of pneumonia.
- Two-thirds of hospitalizations were reported among women. Four (3%) hospitalizations were among pregnant women.
- The rate of hospitalizations among American Indians was 5 times higher than among Whites (Table 2). Reclassification of cases with unknown race may change reported rates.

Table 1. H1N1 Influenza Hospitalizations, by Age, Sept-Nov, 2009, Montana

Age at Diagnosis	Number of Cases	Rate* per 100,000	Percent with Pre-existing conditions
0-4	27	45	22
5-17	21	13	24
18-49	43	11	58
50-64	41	21	59
65+	14	10	50
Total	146	15	46

Table 2. H1N1 Influenza Hospitalizations, by Race, Sept-Nov, 2009, Montana

Race	Number of Cases	Rate* per 100,000	Percent with Pre-existing Conditions
American Indian	29	45	31
White	76	9	54
Other/Unknown	41	—	42
Total	146	15	46



Communicable Disease Epidemiology Program

24/7 Phone Contact
Fax

406.444.0273
800.616.7460

<http://cdepi.hhs.mt.gov>



Prepared By: Communicable Disease Epidemiology Program, MT-DPHHS, December 2009
Data Source: Communicable Disease Surveillance, H1N1 Hospitalizations Reports

*Rates are calculated using statewide population estimates. The rates should be interpreted with caution because completeness of hospitalization reports may vary among geographical areas in the state.